

Upgrade of Chapel Rd/Madsen Rd and Woods Rd Intersection

PROJECT:

This project provides for the construction of a roundabout at the Chapel Road/Madsen Road and Woods Road intersection.

When completed, these works will minimise disruption to traffic flow and provide for improved road safety at the intersection. The roundabout will also be designed to cater for cyclists and pedestrian movements with pedestrian refuges being constructed in the approach islands for future footpath links to the Sports Precinct.

The construction of the new roundabout works will be staged with the Stage 1 Service Relocation works completed in the 2022-23/2023-24 financial years. The Stage 2 roundabout construction works is planned to commence in January 2025 and be completed by late 2025.

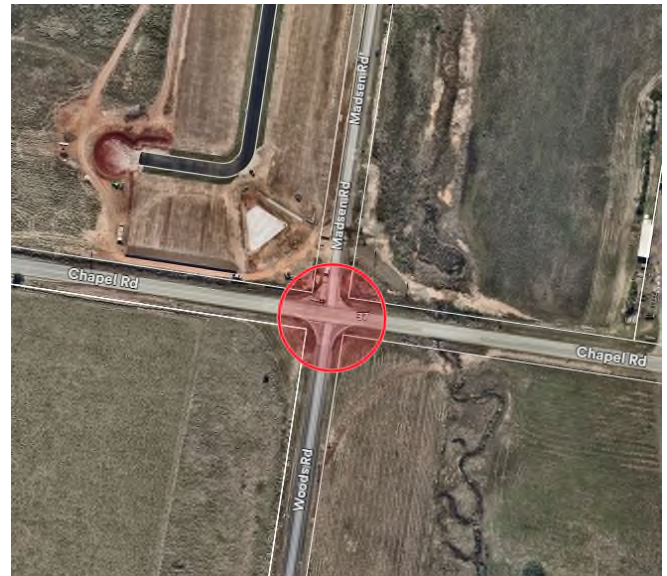
PROJECT ESTIMATE:

\$5.7M (this project is partly funded by the Australian Government's Black Spot Program)

PROJECT SCOPE OF WORKS:

The project scope is as follows:

- Earthworks;
- Service relocations;
- Roundabout construction and associated works;
- Topdressing and turfing of disturbed areas.



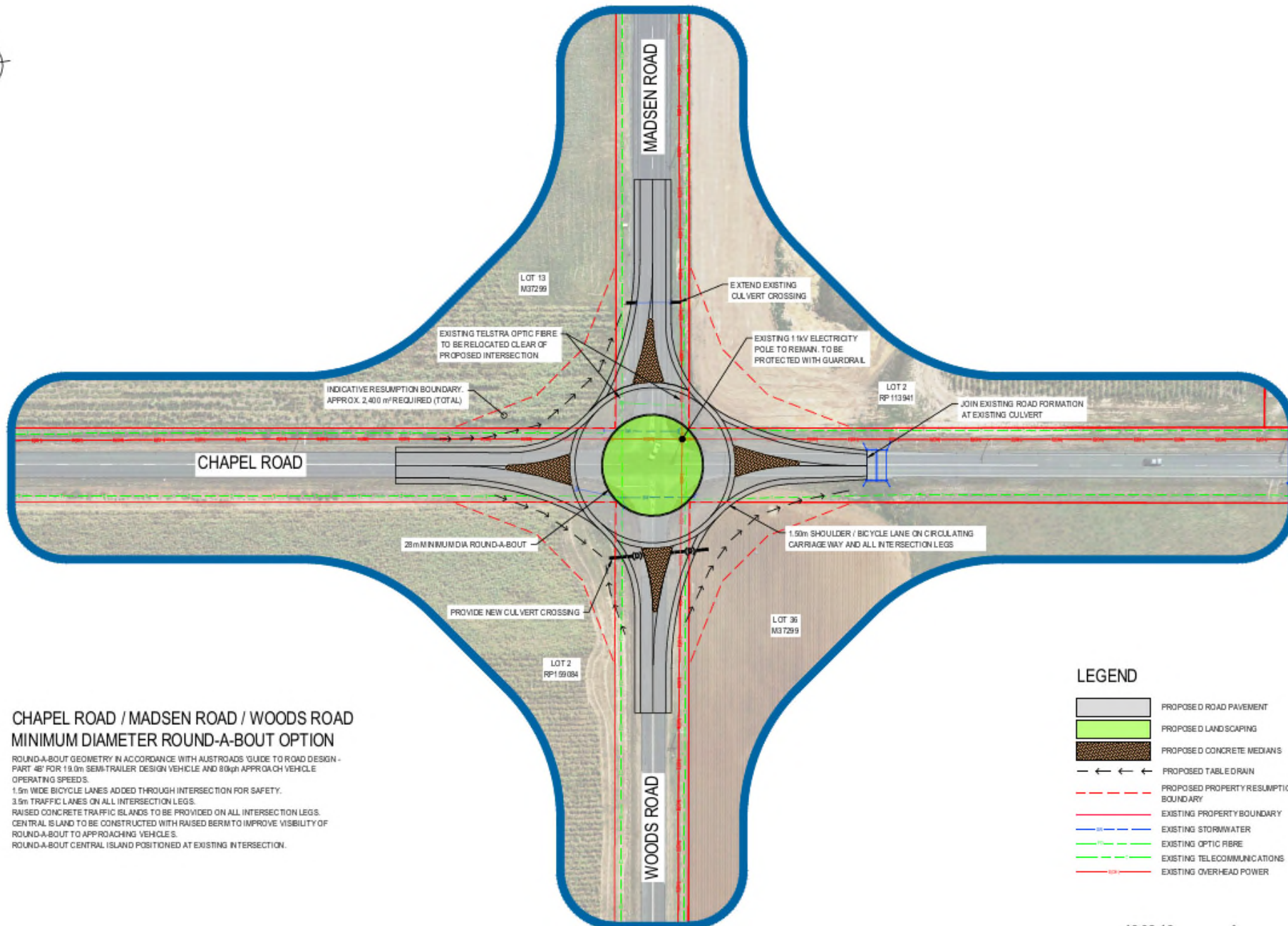
INDICATIVE PROJECT MILESTONES	
Aug 2024	Final Design
Sept/Nov 2024	Tender Period
Jan/Aug 25	Construction Period
Sept 2025	Project Completion

Note: Project milestones are subject to contract and weather and may change.

The traffic management plan that will be put in place for the duration of the construction period plans for a full road closure of Madsen Road, a two-way traffic arrangement along Chapel Road and a one-way arrangement with traffic travelling in a southbound direction only on Woods Road.



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CHAPEL ROAD / MADSEN ROAD / WOODS ROAD MINIMUM DIAMETER ROUND-A-BOUT OPTION

ROUND-A-BOUT GEOMETRY IN ACCORDANCE WITH AUSTRROADS 'GUIDE TO ROAD DESIGN - PART 4B' FOR 19.0m SEMI-TRAILER DESIGN VEHICLE AND 80km/h APPROACH VEHICLE OPERATING SPEEDS.
 1.5m WIDE BICYCLE LANES ADDED THROUGH INTERSECTION FOR SAFETY.
 3.5m TRAFFIC LANES ON ALL INTERSECTION LEGS.
 RAISED CONCRETE TRAFFIC ISLANDS TO BE PROVIDED ON ALL INTERSECTION LEGS.
 CENTRAL ISLAND TO BE CONSTRUCTED WITH RAISED BERM TO IMPROVE VISIBILITY OF ROUND-A-BOUT TO APPROACHING VEHICLES.
 ROUND-A-BOUT CENTRAL ISLAND POSITIONED AT EXISTING INTERSECTION.

LEGEND

- PROPOSED ROAD PAVEMENT
- PROPOSED LANDSCAPING
- PROPOSED CONCRETE MEDIANS
- PROPOSED TABLE DRAIN
- PROPOSED PROPERTY RESUMPTION BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING STORMWATER
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING OVERHEAD POWER